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Pneumatic drive for servo valves - has cylinder with slot, slot side  
having groove for sealing ring

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Number of Countries: 003 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3019119	A	19811126				198149 B
DE 3019119	C	19830616				198325
US 4414882	A	19831115				198348
CH 653103	A	19851213				198604

Priority Applications (No Type Date): DE 3019119 A 19800520

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3019119	A		12		

Abstract (Basic): DE 3019119 A

The pneumatic drive is for valves, flaps, switches tec. It has a cylinder with displaceable piston and rod to act on the servo valve. A feed pipe for the pressure medium contains a blocking/ventilation valve, and has a branch, which opens into the base of a groove in the cylinder.

The cylinder (1) has a circumferential slot (4), in the area contacted by the piston (8), pref. near the cylinder base (3). The slot extends to the outside. One of the two surfaces (18,19) limiting the slot, contains the groove (20), which is open towards the other ring surface. The groove base is connected to the feed pipe (29,27) and the groove contains a sealing ring (21).